Atty Dkt.: 2002-IP-009930U1 (1391-41400)

Patent

## AMENDMENTS TO THE SPECIFICATION

- (1) Please replace paragraph [0001] on page 1 under CROSS-REFERENCE TO RELATED APPLICATIONS in the specification with the following:
- [0001] The subject matter of the present application is related to U.S. Patent Application Serial No. 10/352,809, filed January 28, 2003, <u>now abandoned</u>, <u>and</u> entitled "Post Installation Cured Braided Continuous Composite Tubular", incorporated by reference herein in its entirety.
- (2) Please add the following paragraph after paragraph [0018] on page 4 and renumber subsequent paragraphs:
- [0019] Figure 12 is a schematic cross-section of an alternative embodiment of a sleeve being positioned in the wellbore by a carrier.
- (3) Please amend paragraph [0033] on page 10 prior to renumbering as follows:
- [0033] In yet another embodiment, the previously described tubular, braided sleeve may be easily installed in a well bore using systems that include a carrier (or sub) configured to hold the sleeve. Figure 8 depicts such a system being used to place a braided sleeve 214 in a well bore 210. The sleeve 214 is disposed within an interior of a carrier 212, which surrounds the length of sleeve 214. Further, an upper end of carrier 212 is attached to a lower end of a conveyance string 216, e.g., a drillpipe or tubing, for lowering carrier 212 into well bore 210. Alternatively, carrier 212 may be attached to other types of conveyance strings, e.g., a wireline 211 as shown in Figure 12, to lower it downhole. In addition, an anchor 218 may be detachably attached with, e.g., shear pins, to the base of sleeve 214 for securing the sleeve to the bottom of well bore 210. Alternatively, extending arms attached to the base of sleeve 214 can be utilized to anchor sleeve 214 to the

formation wall (not shown). The extending arms are similar to those currently used on caliber tools. The extending arms may be maneuvered to drive the anchors into the sidewall of the formation, allowing sleeve 214 to be positioned mid-way in well bore 210. Although not shown, the system may also include an inflatable member inside of sleeve 214 for expanding a diameter of sleeve 214 when desired.

- Please amend paragraph [0037] on pages 12 and 13 prior to renumbering as follows: **(4)** Carrier 212 is sized to fit inside of well bore 210 and is substantially cylindrical in [0037] shape. Carrier 212 may be composed of a material suitable for protecting sleeve 214 from damage as it passes through well bore 210. For example, carrier 212 may be composed of materials that are commonly used in casings for cementing operations, such as steel. The upper end of carrier 212 provides a way to connect carrier 212 to a conveyance string, e.g., tubing, wire line, etc. For example, the upper end of carrier 212 and the lower end of conveyance string 216 may be threaded to mate with each other, or an adhesive or glue may be employed to hold the two together. Also, the upper end of carrier 212 may be detachably attached to the top of sleeve 214 by a release mechanism (not shown) 217 as shown in Figure 12. An example of a suitable release mechanism may utilize a sliding sleeve mechanism and a ball activated or J slot activated mechanism, all of which are known in the art. For example, sleeve 214 may be attached to carrier 212 with shear pins that detach from sleeve 214 when the ball of the ball activated mechanism drops, causing the pins to shear under pressure.
- (4) Please amend paragraph [0040] on pages 13 and 14 prior to renumbering as follows:

  The conveyance string 216 attached to the top of carrier 212 may then be lowered into well bore
  210 until carrier 212 and sleeve 214 are at a desired location in well bore 210. As sleeve 214 is

moved through well bore 210, carrier 212 protects it from being damaged by rough edges that may be present along the sides of the well bore. Carrier 212 also protects the curable resin on sleeve 214 from being washed away by formation fluids that could be flowing in well bore 210. Thereafter, sleeve 214 may be attached to the bottom of well bore 210 by applying a downward force to anchor 218 or activating a mechanism that drives anchor 218 into the ground. Alternatively as shown in Figure 12, the sleeve may be attached mid-way in well bore 210 by pulling up and releasing extending arms (not shown) 219 attached to the base of sleeve 214 that are similar to technology used on caliber tools. In this manner, the extending arms are opened up. The extending arms may then be pushed downward to anchor them into a sidewall of the formation.